**BRUHAT BANGALORE MAHANAGARA PALIKE**

**NAME OF WORK: Improvements to roads and drains at Kenchenahalli colony main and cross roads and surrounding areas in Ward No. 02**

Measurements Taken On :

**ABSTRACT OF MEASUREMENT SHEET - 1st and FINAL BILL**

| Item No | Description | Unit | Quantity | Approved Tender Rates | Amount | Remarks |
|---|---|---|---|---|---|---|
| Item No. 1 | Excavation for road, drains and similar works KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. and as per the directions of the Engineer-in-charge of the work . | Cum | 1330.76 | | | |
| | present Qty | Cum | 1330.76 | | | |
| | Previous Bill Qty | Cum | - | | | |
| | Total | Cum | 1330.76 | | | |
| | Tender Qty | Cum | 1330.97 | | | |
| | Now to be paid | Cum | 1330.76 | 215.28 | 286486.44 | |
| Item No. 02 | Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. and as per the directions of the Engineer-in-charge of the work . | Cum | 196.88 | | | |
| | present Qty | Cum | 196.88 | | | |
| | Previous Bill Qty | Cum | - | | | |
| | Total | Cum | 196.88 | | | |
| | Tender Qty | Cum | 196.35 | | | |
| | Now to be paid | Cum | 196.88 | | | |
| | Quantity Limited To | Cum | 196.35 | 5421.90 | 1064590.07 | |
| Item No. 03 | Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. With 20mm and sown size granite metal course aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compcted for walls and bottom including centring shuttering cost of material HOM of machinary curing etc., complete execluding cost of steel as per MORTH specification and as per the directions of the Engineer-in-charge of the work . | Cum | 385.12 | | | |
| | present Qty | Cum | 385.12 | | | |
| | Previous Bill Qty | Cum | - | | | |
| | Total | Cum | 385.12 | | | |
| | Tender Qty | Cum | 385.14 | | | |
| | Now to be paid | Cum | 385.12 | 7070.20 | 2722863.05 | |

CIVIL Pro Sig Date BANGALORE

Contractor

Contactor

PMC BANGALORE

Assistant Engineer

Assistant Engineer

Assistant Executive Engineer

A.E.E

Assistant Executive Engineer

| Item No | Description | Unit | Quantity | Approved Tender Rates | Amount | Remarks |
|---|---|---|---|---|---|---|
| Item No.04 | Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. | Tonne | 27.35 | | | |
| | present Qty | Tonne | 27.35 | | | |
| | Previous Bill Qty | Tonne | - | | | |
| | Total | Tonne | 27.35 | | | |
| | Tender Qty | Tonne | 27.22 | | | |
| | Now to be paid | Tonne | 27.35 | | | |
| | Quantity Limited To | Tonne | 27.22 | 73992.24 | 2014068.77 | |
| Item No.05 | Providing and fixing RCC precast cover slab of 100mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate) | Sqm | 980.81 | | | |
| | present Qty | Sqm | 980.81 | | | |
| | Previous Bill Qty | Sqm | - | | | |
| | Total | Sqm | 980.81 | | | |
| | Tender Qty | Sqm | 924.00 | | | |
| | Now to be paid | Sqm | 980.81 | | | |
| | Quantity Limited To | Sqm | 924.00 | 2337.00 | 2159388.00 | |
| Item No.06 | Providing and fixing RCC precast cover slab of 250mm thick made out of CC 1:2:4 and jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate) | Sqm | 23.64 | | | |
| | present Qty | Sqm | 23.64 | | | |
| | Previous Bill Qty | Sqm | - | | | |
| | Total | Sqm | 23.64 | | | |
| | Tender Qty | Sqm | 21.60 | | | |
| | Now to be paid | Sqm | 23.64 | | | |
| | Quantity Limited To | Sqm | 21.60 | 5418.00 | 117028.80 | |
| | | | | SUB TOTAL AMOUNT | 8364425.13 | |
| | | | | Add KRIDL @ 4% | 334577.01 | |
| | | | | Add GST @ 12% | 1003731.02 | |
| | | | | TOTAL AMOUNT | 9702733.15 | |

CIVIL Pro Sig Date BANGALORE

Contractor

Contactor

PMC BANGALORE

AssistantEngineer

Assistant Engineer

A.E.E Assistant Executive Engineer

A.E.E

Assistant Executive Engineer

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadt (m) | Depth (m) | Quantity | Rate in RS. |
|---|---|---|---|---|---|---|---|---|---|
| BRUHAT BANGALORE MAHANAGARA PALIKE | | | | | | | | | |
| NAME OF WORK: Improvements to roads and drains at Kenchenahalli colony main and cross roads and surrounding areas in Ward No. 02 | | | | | | | | | |
| Measurements Taken On : | | | | | | | | | |
| MEASUREMENT SHEET - 1st and FINAL BILL | | | | | | | | | |
| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadt (m) | Depth (m) | Quantity | Remarks |
| Item No. 01 | | Excavation for road, drains and similar works KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. and as per the directions of the Engineer-in-charge of the work . | | | | | | | |
| | | New Drain | | | | | | | |
| | | 1st cross(RHS frm main rd) | | | | | | | |
| 0 | 13.9 | | Cum | 1 | 13.90 | 1.20 | 1.00 | 16.68 | |
| 20.5 | 35 | 13.9-20.5 No Drain | Cum | 1 | 14.50 | 1.20 | 1.00 | 17.40 | |
| 35 | 50 | | Cum | 1 | 15.00 | 1.20 | 1.00 | 18.00 | |
| 50 | 65 | | Cum | 1 | 15.00 | 1.20 | 1.00 | 18.00 | |
| 65 | 80 | | Cum | 1 | 15.00 | 1.20 | 1.00 | 18.00 | |
| 80 | 95 | | Cum | 1 | 15.00 | 1.20 | 1.00 | 18.00 | |
| 95 | 110 | | Cum | 1 | 15.00 | 1.20 | 1.00 | 18.00 | |
| 110 | 125 | | Cum | 1 | 15.00 | 1.20 | 1.00 | 18.00 | |
| 125 | 140 | | Cum | 1 | 15.00 | 1.20 | 1.00 | 18.00 | |
| 140 | 157.6 | | Cum | 1 | 17.60 | 1.20 | 1.00 | 21.12 | |
| | | 2nd cross(LHS opp to main rd) | | | | | | | |
| 0 | 15 | | Cum | 1 | 15.00 | 1.10 | 1.00 | 16.50 | |
| 15 | 30 | | Cum | 1 | 15.00 | 1.10 | 1.00 | 16.50 | |
| 30 | 36.4 | | Cum | 1 | 6.40 | 1.10 | 1.00 | 7.04 | |
| 36.4 | 43.6 | | Cum | 1 | 7.20 | 1.10 | 1.00 | 7.92 | |
| 43.6 | 60 | | Cum | 1 | 16.40 | 1.10 | 1.00 | 18.04 | |
| 60 | 75 | | Cum | 1 | 15.00 | 1.10 | 1.00 | 16.50 | |
| 75 | 90 | | Cum | 1 | 15.00 | 1.10 | 1.00 | 16.50 | |
| 90 | 105 | | Cum | 1 | 15.00 | 1.10 | 0.90 | 14.85 | |
| 105 | 121 | | Cum | 1 | 16.00 | 1.10 | 0.90 | 15.84 | |
| 121 | 131 | | Cum | 1 | 10.00 | 1.10 | 0.90 | 9.90 | |
| 131 | 145 | | Cum | 1 | 14.00 | 1.10 | 0.90 | 13.86 | |
| 145 | 160 | | Cum | 1 | 15.00 | 1.10 | 0.90 | 14.85 | |
| 160 | 174.5 | | Cum | 1 | 14.50 | 1.10 | 0.90 | 14.36 | |
| | | 2nd Cross RHS | | | | | | | |
| 0 | 15 | | Cum | 1 | 15.00 | 1.10 | 0.90 | 14.85 | |
| 15 | 30 | | Cum | 1 | 15.00 | 1.10 | 0.90 | 14.85 | |
| 30 | 45 | | Cum | 1 | 15.00 | 1.10 | 0.90 | 14.85 | |

Contactor

CIVIL Sig Date PMC BANGALORE

Assistant Engineer

A.E.E

Assistant Executive Engineer

## MEASUREMENT SHEET - 1st and FINAL BILL

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadt (m) | Depth (m) | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|
| 45 | 60 | | Cum | 1 | 15.00 | 1.10 | 0.90 | 14.85 | |
| 60 | 79.2 | | Cum | 1 | 19.20 | 1.10 | 0.90 | 19.01 | |
| | | 3rd Main RHS SAMUDHAYA BHAVAN | | | | | | | |
| 0 | 15 | | Cum | 1 | 15.00 | 1.10 | 0.90 | 14.85 | |
| 15 | 30 | | Cum | 1 | 15.00 | 1.10 | 0.90 | 14.85 | |
| 30 | 45 | | Cum | 1 | 15.00 | 1.10 | 0.90 | 14.85 | |
| 45 | 60 | | Cum | 1 | 15.00 | 1.10 | 0.90 | 14.85 | |
| 60 | 68.7 | | Cum | 1 | 8.70 | 1.10 | 0.90 | 8.61 | |
| | | Arun Patios(LHS) | | | | | | | |
| 0 | 15 | | Cum | 1 | 15.00 | 1.20 | 1.00 | 18.00 | |
| 15 | 30 | | Cum | 1 | 15.00 | 1.20 | 1.00 | 18.00 | |
| 30 | 45 | | Cum | 1 | 15.00 | 1.20 | 1.00 | 18.00 | |
| 45 | 60 | | Cum | 1 | 15.00 | 1.20 | 1.00 | 18.00 | |
| 60 | 75 | | Cum | 1 | 15.00 | 1.20 | 1.00 | 18.00 | |
| 75 | 91.2 | | Cum | 1 | 16.20 | 1.20 | 1.00 | 19.44 | |
| 101 | 115 | | Cum | 1 | 14.00 | 1.20 | 1.00 | 16.80 | |
| 115 | 130 | | Cum | 1 | 15.00 | 1.20 | 1.00 | 18.00 | |
| 130 | 147 | | Cum | 1 | 17.00 | 1.20 | 1.00 | 20.40 | |
| 157.2 | 170 | | Cum | 1 | 12.80 | 1.20 | 1.00 | 15.36 | |
| 170 | 185 | | Cum | 1 | 15.00 | 1.20 | 1.00 | 18.00 | |
| 185 | 200 | | Cum | 1 | 15.00 | 1.20 | 1.00 | 18.00 | |
| 200 | 207.9 | | Cum | 1 | 7.90 | 1.20 | 1.00 | 9.48 | |
| 218.4 | 244.7 | | Cum | 1 | 26.30 | 1.20 | 1.00 | 31.56 | |
| 252.7 | 279 | | Cum | 1 | 26.30 | 1.20 | 1.00 | 31.56 | |
| | | School LHS | | | | | | | |
| 0 | 15 | | Cum | 1 | 15.00 | 1.10 | 0.80 | 13.20 | |
| 15 | 30 | | Cum | 1 | 15.00 | 1.10 | 0.80 | 13.20 | |
| 30 | 37.7 | | Cum | 1 | 7.70 | 1.10 | 0.80 | 6.78 | |
| | | Sadiq house | | | | | | | |
| 0 | 14.3 | | Cum | 1 | 14.30 | 1.10 | 0.80 | 12.58 | |
| 14.3 | 50 | | Cum | 1 | 35.70 | 1.10 | 0.80 | 31.42 | |
| 50 | 83 | | Cum | 1 | 33.00 | 1.10 | 0.80 | 29.04 | |
| | | 1st Right Cross After Railway Gate | | | | | | | |
| 0 | 15 | | Cum | 1 | 15.00 | 0.90 | 0.80 | 10.80 | |
| 15 | 30 | | Cum | 1 | 15.00 | 0.90 | 0.80 | 10.80 | |
| 30 | 45 | | Cum | 1 | 15.00 | 0.90 | 0.80 | 10.80 | |
| 45 | 60 | | Cum | 1 | 15.00 | 0.90 | 0.80 | 10.80 | |
| 60 | 75 | | Cum | 1 | 15.00 | 0.90 | 0.80 | 10.80 | |
| 75 | 90 | | Cum | 1 | 15.00 | 0.90 | 0.80 | 10.80 | |
| 90 | 108 | | Cum | 1 | 18.00 | 0.90 | 0.80 | 12.96 | |
| | | 4th Main Road | | | | | | | |
| 0 | 9 | | Cum | 1 | 9.00 | 0.90 | 1.00 | 8.10 | |
| 9 | 20.5 | | Cum | 1 | 11.50 | 0.90 | 1.00 | 10.35 | |

Contactor

CIVIL Pro Sig Date PMC BANGALORE

Assistant Engineer

A.E.E

Assistant Executive Engineer

## MEASUREMENT SHEET - 1st and FINAL BILL

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadt (m) | Depth (m) | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|
| 20.5 | 24 | | Cum | 1 | 3.50 | 0.90 | 1.00 | 3.15 | |
| 24 | 27.1 | | Cum | 1 | 3.10 | 0.90 | 1.00 | 2.79 | |
| 27.1 | 45 | | Cum | 1 | 17.90 | 0.90 | 1.00 | 16.11 | |
| 45 | 63 | | Cum | 1 | 18.00 | 0.90 | 1.00 | 16.20 | |
| 63 | 75 | | Cum | 1 | 12.00 | 0.90 | 1.00 | 10.80 | |
| 75 | 95 | | Cum | 1 | 20.00 | 0.90 | 1.00 | 18.00 | |
| | | RHS | | | | | | | |
| 0 | 9 | | Cum | 1 | 9.00 | 0.90 | 1.00 | 8.10 | |
| 9 | 20.5 | | Cum | 1 | 11.50 | 0.90 | 1.00 | 10.35 | |
| 20.5 | 24 | | Cum | 1 | 3.50 | 0.90 | 1.00 | 3.15 | |
| 24 | 27.1 | | Cum | 1 | 3.10 | 0.90 | 1.00 | 2.79 | |
| 27.1 | 45 | | Cum | 1 | 17.90 | 0.90 | 1.00 | 16.11 | |
| 45 | 63 | | Cum | 1 | 18.00 | 0.90 | 1.00 | 16.20 | |
| | | 2nd Main Puttenhalli | | | | | | | |
| 33 | 39.6 | | Cum | 1 | 6.60 | 1.20 | 1.00 | 7.92 | |
| 39.6 | 44.1 | | Cum | 1 | 4.50 | 1.20 | 1.00 | 5.40 | |
| 44.1 | 66.6 | | Cum | 1 | 22.50 | 1.20 | 1.00 | 27.00 | |
| 66.6 | 94.7 | | Cum | 1 | 28.10 | 1.20 | 1.00 | 33.72 | |
| 94.7 | 105 | | Cum | 1 | 10.30 | 1.20 | 1.00 | 12.36 | |
| | | 2nd Main Puttenhalli | | | | | | | |
| 33 | 39.6 | | Cum | 1 | 6.60 | 1.20 | 1.00 | 7.92 | |
| 39.6 | 44.1 | | Cum | 1 | 4.50 | 1.20 | 1.00 | 5.40 | |
| 44.1 | 66.6 | | Cum | 1 | 22.50 | 1.20 | 1.00 | 27.00 | |
| 66.6 | 94.7 | | Cum | 1 | 28.10 | 1.20 | 1.00 | 33.72 | |
| 94.7 | 105 | | Cum | 1 | 10.30 | 1.20 | 1.00 | 12.36 | |
| | | Culvert | | | | | | | |
| | | Arun Patios(LHS) | Cum | 1 | 9.90 | 1.50 | 1.00 | 14.85 | |
| | | | Cum | 1 | 9.80 | 1.50 | 1.00 | 14.70 | |
| | | Over Burden | Cum | 1 | 7.00 | 0.80 | 0.60 | 3.36 | |
| | | | | | | | TOTAL | 1330.76 | |

Contactor

CIVIL P.I.C. Sig. Date. BANGALORE PMC

Assistant Engineer

A.E.E

Assistant Executive Engineer

## MEASUREMENT SHEET - 1st and FINAL BILL

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadt (m) | Depth (m) | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|
| Item no.02 | | Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. and as per the directions of the Engineer-in-charge of the work . | | | | | | | |
| | | New Drain | | | | | | | |
| | | 1st cross(RHS frm main rd) | | | | | | | |
| 0 | 13.9 | | Cum | 1 | 13.90 | 1.20 | 0.15 | 2.50 | |
| 20.5 | 35 | | Cum | 1 | 14.50 | 1.20 | 0.15 | 2.61 | |
| 35 | 50 | | Cum | 1 | 15.00 | 1.20 | 0.15 | 2.70 | |
| 50 | 65 | | Cum | 1 | 15.00 | 1.20 | 0.15 | 2.70 | |
| 65 | 80 | | Cum | 1 | 15.00 | 1.20 | 0.15 | 2.70 | |
| 80 | 95 | | Cum | 1 | 15.00 | 1.20 | 0.15 | 2.70 | |
| 95 | 110 | | Cum | 1 | 15.00 | 1.20 | 0.15 | 2.70 | |
| 110 | 125 | | Cum | 1 | 15.00 | 1.20 | 0.15 | 2.70 | |
| 125 | 140 | | Cum | 1 | 15.00 | 1.20 | 0.15 | 2.70 | |
| 140 | 157.6 | | Cum | 1 | 17.60 | 1.20 | 0.15 | 3.17 | |
| | | 2nd cross(LHS opp to main rd) | | | | | | | |
| 0 | 15 | | Cum | 1 | 15.00 | 1.10 | 0.15 | 2.48 | |
| 15 | 30 | | Cum | 1 | 15.00 | 1.10 | 0.15 | 2.48 | |
| 30 | 36.4 | | Cum | 1 | 6.40 | 1.10 | 0.15 | 1.06 | |
| 36.4 | 43.6 | | Cum | 1 | 7.20 | 1.10 | 0.15 | 1.19 | |
| 43.6 | 60 | | Cum | 1 | 16.40 | 1.10 | 0.15 | 2.71 | |
| 60 | 75 | | Cum | 1 | 15.00 | 1.10 | 0.15 | 2.48 | |
| 75 | 90 | | Cum | 1 | 15.00 | 1.10 | 0.15 | 2.48 | |
| 90 | 105 | | Cum | 1 | 15.00 | 1.10 | 0.15 | 2.48 | |
| 105 | 121 | | Cum | 1 | 16.00 | 1.10 | 0.15 | 2.64 | |
| 121 | 131 | | Cum | 1 | 10.00 | 1.10 | 0.15 | 1.65 | |
| 131 | 145 | | Cum | 1 | 14.00 | 1.10 | 0.15 | 2.31 | |
| 145 | 160 | | Cum | 1 | 15.00 | 1.10 | 0.15 | 2.48 | |
| 160 | 174.5 | | Cum | 1 | 14.50 | 1.10 | 0.15 | 2.39 | |
| | | Arun Patios(LHS) | | | | | | | |
| 0 | 15 | | Cum | 1 | 15.00 | 1.20 | 0.15 | 2.70 | |
| 15 | 30 | | Cum | 1 | 15.00 | 1.20 | 0.15 | 2.70 | |
| 30 | 45 | | Cum | 1 | 15.00 | 1.20 | 0.15 | 2.70 | |
| 45 | 60 | | Cum | 1 | 15.00 | 1.20 | 0.15 | 2.70 | |
| 60 | 75 | | Cum | 1 | 15.00 | 1.20 | 0.15 | 2.70 | |
| 75 | 91.2 | | Cum | 1 | 16.20 | 1.20 | 0.15 | 2.92 | |
| 101 | 115 | | Cum | 1 | 14.00 | 1.20 | 0.15 | 2.52 | |
| 115 | 130 | | Cum | 1 | 15.00 | 1.20 | 0.15 | 2.70 | |
| 130 | 147 | | Cum | 1 | 17.00 | 1.20 | 0.15 | 3.06 | |
| 157.2 | 170 | | Cum | 1 | 12.80 | 1.20 | 0.15 | 2.30 | |
| 170 | 185 | | Cum | 1 | 15.00 | 1.20 | 0.15 | 2.70 | |

Contactor

CIVIL ENGINEER Sign Date PMC BANGALORE

Assistant Engineer

A.E.E

Assistant Executive Engineer

## MEASUREMENT SHEET - 1st and FINAL BILL

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadt (m) | Depth (m) | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|
| 185 | 200 | | Cum | 1 | 15.00 | 1.20 | 0.15 | 2.70 | |
| 200 | 207.9 | | Cum | 1 | 7.90 | 1.20 | 0.15 | 1.42 | |
| 218.4 | 244.7 | | Cum | 1 | 26.30 | 1.20 | 0.15 | 4.73 | |
| 252.7 | 279 | | Cum | 1 | 26.30 | 1.20 | 0.15 | 4.73 | |
| | | **2nd Cross RHS** | | | | | | | |
| 0 | 15 | | Cum | 1 | 15.00 | 1.10 | 0.15 | 2.48 | |
| 15 | 30 | | Cum | 1 | 15.00 | 1.10 | 0.15 | 2.48 | |
| 30 | 45 | | Cum | 1 | 15.00 | 1.10 | 0.15 | 2.48 | |
| 45 | 60 | | Cum | 1 | 15.00 | 1.10 | 0.15 | 2.48 | |
| 60 | 79.2 | | Cum | 1 | 19.20 | 1.10 | 0.15 | 3.17 | |
| | | **3rd Main RHS SAMUDHAYA BHAVAN** | | | | | | | |
| 0 | 15 | | Cum | 1 | 15.00 | 1.10 | 0.15 | 2.48 | |
| 15 | 30 | | Cum | 1 | 15.00 | 1.10 | 0.15 | 2.48 | |
| 30 | 45 | | Cum | 1 | 15.00 | 1.10 | 0.15 | 2.48 | |
| 45 | 60 | | Cum | 1 | 15.00 | 1.10 | 0.15 | 2.48 | |
| 60 | 68.7 | | Cum | 1 | 8.70 | 1.10 | 0.15 | 1.44 | |
| | | **School LHS** | | | | | | | |
| 0 | 15 | | Cum | 1 | 15.00 | 1.10 | 0.15 | 2.48 | |
| 15 | 30 | | Cum | 1 | 15.00 | 1.10 | 0.15 | 2.48 | |
| 30 | 37.7 | | Cum | 1 | 7.70 | 1.10 | 0.15 | 1.27 | |
| | | **Sadiq house** | | | | | | | |
| 0 | 14.3 | | Cum | 1 | 14.30 | 1.10 | 0.15 | 2.36 | |
| 14.3 | 50 | | Cum | 1 | 35.70 | 1.10 | 0.15 | 5.89 | |
| 50 | 83 | | Cum | 1 | 33.00 | 1.10 | 0.15 | 5.45 | |
| | | **1st Right Cross After Railway Gate** | | | | | | | |
| 0 | 15 | | Cum | 1 | 15.00 | 0.90 | 0.15 | 2.03 | |
| 15 | 30 | | Cum | 1 | 15.00 | 0.90 | 0.15 | 2.03 | |
| 30 | 45 | | Cum | 1 | 15.00 | 0.90 | 0.15 | 2.03 | |
| 45 | 60 | | Cum | 1 | 15.00 | 0.90 | 0.15 | 2.03 | |
| 60 | 75 | | Cum | 1 | 15.00 | 0.90 | 0.15 | 2.03 | |
| 75 | 90 | | Cum | 1 | 15.00 | 0.90 | 0.15 | 2.03 | |
| 90 | 108 | | Cum | 1 | 18.00 | 0.90 | 0.15 | 2.43 | |
| | | **4th Main Road** | | | | | | | |
| | | **LHS** | | | | | | | |
| 0 | 9 | | Cum | 1 | 9.00 | 0.90 | 0.15 | 1.22 | |
| 9 | 20.5 | | Cum | 1 | 11.50 | 0.90 | 0.15 | 1.55 | |
| 20.5 | 24 | | Cum | 1 | 3.50 | 0.90 | 0.15 | 0.47 | |
| 24 | 27.1 | | Cum | 1 | 3.10 | 0.90 | 0.15 | 0.42 | |
| 27.1 | 45 | | Cum | 1 | 17.90 | 0.90 | 0.15 | 2.42 | |
| 45 | 63 | | Cum | 1 | 18.00 | 0.90 | 0.15 | 2.43 | |
| 63 | 75 | | Cum | 1 | 12.00 | 0.90 | 0.15 | 1.62 | |
| 75 | 95 | | Cum | 1 | 20.00 | 0.90 | 0.15 | 2.70 | |

CIVIL Pro Sig Date PMC BANGALORE

Contactor Assistant Engineer A.E.E Assistant Executive Engineer

## MEASUREMENT SHEET - 1st and FINAL BILL

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadt (m) | Depth (m) | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|
| | | RHS | | | | | | | |
| 0 | 9 | | Cum | 1 | 9.00 | 0.90 | 0.15 | 1.22 | |
| 9 | 20.5 | | Cum | 1 | 11.50 | 0.90 | 0.15 | 1.55 | |
| 20.5 | 24 | | Cum | 1 | 3.50 | 0.90 | 0.15 | 0.47 | |
| 24 | 27.1 | | Cum | 1 | 3.10 | 0.90 | 0.15 | 0.42 | |
| 27.1 | 45 | | Cum | 1 | 17.90 | 0.90 | 0.15 | 2.42 | |
| 45 | 63 | | Cum | 1 | 18.00 | 0.90 | 0.15 | 2.43 | |
| | | 2nd Main Puttenhalli | | | | | | | |
| 33 | 39.6 | | Cum | 1 | 6.60 | 1.20 | 0.15 | 1.19 | |
| 39.6 | 44.1 | | Cum | 1 | 4.50 | 1.20 | 0.15 | 0.81 | |
| 44.1 | 66.6 | | Cum | 1 | 22.50 | 1.20 | 0.15 | 4.05 | |
| 66.6 | 94.7 | | Cum | 1 | 28.10 | 1.20 | 0.15 | 5.06 | |
| 94.7 | 105 | | Cum | 1 | 10.30 | 1.20 | 0.15 | 1.85 | |
| | | Culvert | | | | | | | |
| | | Arun Patios(LHS) | Cum | 1 | 9.90 | 1.50 | 0.15 | 2.23 | |
| | | | Cum | 1 | 9.80 | 1.50 | 0.15 | 2.21 | |
| | | | | | | | TOTAL | 196.88 | |
| | | | | | | | Quantity Limited To | 196.35 | |

Contactor

CIVIL Pro Sig Date PMC BANGALORE

Assistant Engineer

A.E.E

Assistant Executive Engineer

## MEASUREMENT SHEET - 1st and FINAL BILL

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadt (m) | Depth (m) | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|
| Item no.03 | | Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. With 20mm and sown size granite metal course aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well competed for walls and bottom including centring shuttering cost of material HOM of machinary curing etc., complete execluding cost of steel as per MORTH specification and as per the directions of the Engineer-in-charge of the work . | | | | | | | |
| | | Bottom Raft | | | | | | | |
| | | 1st cross(RHS frm main rd) | | | | | | | |
| 0 | 13.9 | | Cum | 1 | 13.90 | 1.10 | 0.15 | 2.29 | |
| 20.5 | 35 | | Cum | 1 | 14.50 | 1.10 | 0.15 | 2.39 | |
| 35 | 50 | | Cum | 1 | 15.00 | 1.10 | 0.15 | 2.48 | |
| 50 | 65 | | Cum | 1 | 15.00 | 1.10 | 0.15 | 2.48 | |
| 65 | 80 | | Cum | 1 | 15.00 | 1.10 | 0.15 | 2.48 | |
| 80 | 95 | | Cum | 1 | 15.00 | 1.10 | 0.15 | 2.48 | |
| 95 | 110 | | Cum | 1 | 15.00 | 1.10 | 0.15 | 2.48 | |
| 110 | 125 | | Cum | 1 | 15.00 | 1.10 | 0.15 | 2.48 | |
| 125 | 140 | | Cum | 1 | 15.00 | 1.10 | 0.15 | 2.48 | |
| 140 | 157.6 | | Cum | 1 | 17.60 | 1.10 | 0.15 | 2.90 | |
| | | 2nd cross(LHS opp to main rd) | | | | | | | |
| 0 | 15 | | Cum | 1 | 15.00 | 1.10 | 0.15 | 2.48 | |
| 15 | 30 | | Cum | 1 | 15.00 | 1.10 | 0.15 | 2.48 | |
| 30 | 36.4 | | Cum | 1 | 6.40 | 1.10 | 0.15 | 1.06 | |
| 36.4 | 43.6 | | Cum | 1 | 7.20 | 1.10 | 0.15 | 1.19 | |
| 43.6 | 60 | | Cum | 1 | 16.40 | 1.10 | 0.15 | 2.71 | |
| 60 | 75 | | Cum | 1 | 15.00 | 1.10 | 0.15 | 2.48 | |
| 75 | 90 | | Cum | 1 | 15.00 | 1.10 | 0.15 | 2.48 | |
| 90 | 105 | | Cum | 1 | 15.00 | 1.10 | 0.15 | 2.48 | |
| 105 | 121 | | Cum | 1 | 16.00 | 1.10 | 0.15 | 2.64 | |
| 121 | 131 | | Cum | 1 | 10.00 | 1.10 | 0.15 | 1.65 | |
| 131 | 145 | | Cum | 1 | 14.00 | 1.10 | 0.15 | 2.31 | |
| 145 | 160 | | Cum | 1 | 15.00 | 1.10 | 0.15 | 2.48 | |
| 160 | 174.5 | | Cum | 1 | 14.50 | 1.10 | 0.15 | 2.39 | |
| | | Arun Patios(LHS) | | | | | | | |
| 0 | 15 | | Cum | 1 | 15.00 | 1.10 | 0.15 | 2.48 | |
| 15 | 30 | | Cum | 1 | 15.00 | 1.10 | 0.15 | 2.48 | |
| 30 | 45 | | Cum | 1 | 15.00 | 1.10 | 0.15 | 2.48 | |
| 45 | 60 | | Cum | 1 | 15.00 | 1.10 | 0.15 | 2.48 | |
| 60 | 75 | | Cum | 1 | 15.00 | 1.10 | 0.15 | 2.48 | |
| 75 | 91.2 | | Cum | 1 | 16.20 | 1.10 | 0.15 | 2.67 | |
| 101 | 115 | | Cum | 1 | 14.00 | 1.10 | 0.15 | 2.31 | |
| 115 | 130 | | Cum | 1 | 15.00 | 1.10 | 0.15 | 2.48 | |
| 130 | 147 | | Cum | 1 | 17.00 | 1.10 | 0.15 | 2.81 | |
| 157.2 | 170 | | Cum | 1 | 12.80 | 1.10 | 0.15 | 2.11 | |
| 170 | 185 | | Cum | 1 | 15.00 | 1.10 | 0.15 | 2.48 | |

Contactor

BBMC BANGALORE

Assistant Engineer

A.E.E

Assistant Executive Engineer

## MEASUREMENT SHEET - 1st and FINAL BILL

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadt (m) | Depth (m) | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|
| 185 | 200 | | Cum | 1 | 15.00 | 1.10 | 0.15 | 2.48 | |
| 200 | 207.9 | | Cum | 1 | 7.90 | 1.10 | 0.15 | 1.30 | |
| 218.4 | 244.7 | | Cum | 1 | 26.30 | 1.10 | 0.15 | 4.34 | |
| 252.7 | 279 | | Cum | 1 | 26.30 | 1.10 | 0.15 | 4.34 | |
| | | **2nd Cross RHS** | | | | | | | |
| 0 | 15 | | Cum | 1 | 15.00 | 1.10 | 0.15 | 2.48 | |
| 15 | 30 | | Cum | 1 | 15.00 | 1.05 | 0.15 | 2.36 | |
| 30 | 45 | | Cum | 1 | 15.00 | 1.05 | 0.15 | 2.36 | |
| 45 | 60 | | Cum | 1 | 15.00 | 1.05 | 0.15 | 2.36 | |
| 60 | 79.2 | | Cum | 1 | 19.20 | 1.05 | 0.15 | 3.02 | |
| | | **3rd Main RHS SAMUDHAYA BHAVAN** | | | | | | | |
| 0 | 15 | | Cum | 1 | 15.00 | 1.05 | 0.15 | 2.36 | |
| 15 | 30 | | Cum | 1 | 15.00 | 1.05 | 0.15 | 2.36 | |
| 30 | 45 | | Cum | 1 | 15.00 | 1.05 | 0.15 | 2.36 | |
| 45 | 60 | | Cum | 1 | 15.00 | 1.05 | 0.15 | 2.36 | |
| 60 | 68.7 | | Cum | 1 | 8.70 | 1.05 | 0.15 | 1.37 | |
| | | **School LHS** | | | | | | | |
| 0 | 15 | | Cum | 1 | 15.00 | 1.00 | 0.15 | 2.25 | |
| 15 | 30 | | Cum | 1 | 15.00 | 1.00 | 0.15 | 2.25 | |
| 30 | 37.7 | | Cum | 1 | 7.70 | 1.00 | 0.15 | 1.16 | |
| | | **Sadiq house** | | | | | | | |
| 0 | 14.3 | | Cum | 1 | 14.30 | 1.00 | 0.15 | 2.15 | |
| 14.3 | 50 | | Cum | 1 | 35.70 | 1.00 | 0.15 | 5.36 | |
| 50 | 83 | | Cum | 1 | 33.00 | 1.00 | 0.15 | 4.95 | |
| | | **1st Right Cross After Railway Gate** | | | | | | | |
| 0 | 15 | | Cum | 1 | 15.00 | 0.75 | 0.15 | 1.69 | |
| 15 | 30 | | Cum | 1 | 15.00 | 0.75 | 0.15 | 1.69 | |
| 30 | 45 | | Cum | 1 | 15.00 | 0.75 | 0.15 | 1.69 | |
| 45 | 60 | | Cum | 1 | 15.00 | 0.75 | 0.15 | 1.69 | |
| 60 | 75 | | Cum | 1 | 15.00 | 0.75 | 0.15 | 1.69 | |
| 75 | 90 | | Cum | 1 | 15.00 | 0.75 | 0.15 | 1.69 | |
| 90 | 108 | | Cum | 1 | 18.00 | 0.75 | 0.15 | 2.03 | |
| | | **4th Main Road LHS** | | | | | | | |
| 0 | 9 | | Cum | 1 | 9.00 | 0.80 | 0.15 | 1.08 | |
| 9 | 20.5 | | Cum | 1 | 11.50 | 0.80 | 0.15 | 1.38 | |
| 20.5 | 24 | | Cum | 1 | 3.50 | 0.80 | 0.15 | 0.42 | |
| 24 | 27.1 | | Cum | 1 | 3.10 | 0.80 | 0.15 | 0.37 | |
| 27.1 | 45 | | Cum | 1 | 17.90 | 0.80 | 0.15 | 2.15 | |
| 45 | 63 | | Cum | 1 | 18.00 | 0.80 | 0.15 | 2.16 | |
| 63 | 75 | | Cum | 1 | 12.00 | 0.80 | 0.15 | 1.44 | |
| 75 | 95 | | Cum | 1 | 20.00 | 0.80 | 0.15 | 2.40 | |

Contactor

CIVIL Pro Sig Date BANGALORE PMC

Assistant Engineer

A.E.E Assistant Executive Engineer

## MEASUREMENT SHEET - 1st and FINAL BILL

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadt (m) | Depth (m) | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|
| | | **RHS** | | | | | | | |
| 0 | 9 | | Cum | 1 | 9.00 | 0.80 | 0.15 | 1.08 | |
| 9 | 20.5 | | Cum | 1 | 11.50 | 0.80 | 0.15 | 1.38 | |
| 20.5 | 24 | | Cum | 1 | 3.50 | 0.80 | 0.15 | 0.42 | |
| 24 | 27.1 | | Cum | 1 | 3.10 | 0.80 | 0.15 | 0.37 | |
| 27.1 | 45 | | Cum | 1 | 17.90 | 0.80 | 0.15 | 2.15 | |
| 45 | 63 | | Cum | 1 | 18.00 | 0.80 | 0.15 | 2.16 | |
| | | 2nd Main Puttenhalli | | | | | | | |
| 33 | 39.6 | | Cum | 1 | 6.60 | 0.90 | 0.15 | 0.89 | |
| 39.6 | 44.1 | | Cum | 1 | 4.50 | 0.90 | 0.15 | 0.61 | |
| 44.1 | 66.6 | | Cum | 1 | 22.50 | 0.90 | 0.15 | 3.04 | |
| 66.6 | 94.7 | | Cum | 1 | 28.10 | 0.90 | 0.15 | 3.79 | |
| 94.7 | 105 | | Cum | 1 | 10.30 | 0.90 | 0.15 | 1.39 | |
| | | **Culvert** | | | | | | | |
| | | **Arun Patios(LHS)** | Cum | 1 | 9.90 | 1.20 | 0.20 | 2.38 | |
| | | | Cum | 1 | 9.80 | 1.20 | 0.20 | 2.35 | |
| | | Side Wall | | | | | | | |
| | | **1st cross(RHS frm main rd)** | | | | | | | |
| 0 | 13.9 | | Cum | 2 | 13.90 | 0.15 | 0.60 | 2.50 | |
| 20.5 | 35 | | Cum | 2 | 14.50 | 0.15 | 0.60 | 2.61 | |
| 35 | 50 | | Cum | 2 | 15.00 | 0.15 | 0.60 | 2.70 | |
| 50 | 65 | | Cum | 2 | 15.00 | 0.15 | 0.60 | 2.70 | |
| 65 | 80 | | Cum | 2 | 15.00 | 0.15 | 0.60 | 2.70 | |
| 80 | 95 | | Cum | 2 | 15.00 | 0.15 | 0.60 | 2.70 | |
| 95 | 110 | | Cum | 2 | 15.00 | 0.15 | 0.60 | 2.70 | |
| 110 | 125 | | Cum | 2 | 15.00 | 0.15 | 0.60 | 2.70 | |
| 125 | 140 | | Cum | 2 | 15.00 | 0.15 | 0.60 | 2.70 | |
| 140 | 157.6 | | Cum | 2 | 17.60 | 0.15 | 0.65 | 3.43 | |
| | | **2nd cross(LHS opp to main rd)** | | | | | | | |
| 0 | 15 | | Cum | 2 | 15.00 | 0.15 | 0.60 | 2.70 | |
| 15 | 30 | | Cum | 2 | 15.00 | 0.15 | 0.60 | 2.70 | |
| 30 | 36.4 | | Cum | 2 | 6.40 | 0.15 | 0.60 | 1.15 | |
| 36.4 | 43.6 | | Cum | 2 | 7.20 | 0.15 | 0.60 | 1.30 | |
| 43.6 | 60 | | Cum | 2 | 16.40 | 0.15 | 0.60 | 2.95 | |
| 60 | 75 | | Cum | 2 | 15.00 | 0.15 | 0.60 | 2.70 | |
| 75 | 90 | | Cum | 2 | 15.00 | 0.15 | 0.60 | 2.70 | |
| 90 | 105 | | Cum | 2 | 15.00 | 0.15 | 0.60 | 2.70 | |
| 105 | 121 | | Cum | 2 | 16.00 | 0.15 | 0.60 | 2.88 | |
| 121 | 131 | | Cum | 2 | 10.00 | 0.15 | 0.60 | 1.80 | |
| 131 | 145 | | Cum | 2 | 14.00 | 0.15 | 0.60 | 2.52 | |
| 145 | 160 | | Cum | 2 | 15.00 | 0.15 | 0.60 | 2.70 | |
| 160 | 174.5 | | Cum | 2 | 14.50 | 0.15 | 0.50 | 2.18 | |
| | | **Arun Patios(LHS)** | | | | | | | |
| 0 | 15 | | Cum | 2 | 15.00 | 0.15 | 0.60 | 2.70 | |

Contactor

CIVIL ENGG. Sig. Date BANGALORE BBMP

Assistant Engineer

A.E.E

Assistant Executive Engineer

## MEASUREMENT SHEET - 1st and FINAL BILL

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadt (m) | Depth (m) | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|
| 15 | 30 | | Cum | 2 | 15.00 | 0.15 | 0.60 | 2.70 | |
| 30 | 45 | | Cum | 2 | 15.00 | 0.15 | 0.60 | 2.70 | |
| 45 | 60 | | Cum | 2 | 15.00 | 0.15 | 0.60 | 2.70 | |
| 60 | 75 | | Cum | 2 | 15.00 | 0.15 | 0.60 | 2.70 | |
| 75 | 91.2 | | Cum | 2 | 16.20 | 0.15 | 0.60 | 2.92 | |
| 101 | 115 | | Cum | 2 | 14.00 | 0.15 | 0.60 | 2.52 | |
| 115 | 130 | | Cum | 2 | 15.00 | 0.15 | 0.60 | 2.70 | |
| 130 | 147 | | Cum | 2 | 17.00 | 0.15 | 0.60 | 3.06 | |
| 157.2 | 170 | | Cum | 2 | 12.80 | 0.15 | 0.60 | 2.30 | |
| 170 | 185 | | Cum | 2 | 15.00 | 0.15 | 0.60 | 2.70 | |
| 185 | 200 | | Cum | 2 | 15.00 | 0.15 | 0.60 | 2.70 | |
| 200 | 207.9 | | Cum | 2 | 7.90 | 0.15 | 0.65 | 1.54 | |
| 218.4 | 244.7 | | Cum | 2 | 26.30 | 0.15 | 0.65 | 5.13 | |
| 252.7 | 279 | | Cum | 2 | 26.30 | 0.15 | 0.65 | 5.13 | |
| | | **2nd Cross RHS** | | | | | | | |
| 0 | 15 | | Cum | 2 | 15.00 | 0.15 | 0.55 | 2.48 | |
| 15 | 30 | | Cum | 2 | 15.00 | 0.15 | 0.55 | 2.48 | |
| 30 | 45 | | Cum | 2 | 15.00 | 0.15 | 0.55 | 2.48 | |
| 45 | 60 | | Cum | 2 | 15.00 | 0.15 | 0.55 | 2.48 | |
| 60 | 79.2 | | Cum | 2 | 19.20 | 0.15 | 0.55 | 3.17 | |
| | | **3rd Main RHS SAMUDHAYA BHAVAN** | | | | | | | |
| 0 | 15 | | Cum | 2 | 15.00 | 0.15 | 0.55 | 2.48 | |
| 15 | 30 | | Cum | 2 | 15.00 | 0.15 | 0.55 | 2.48 | |
| 30 | 45 | | Cum | 2 | 15.00 | 0.15 | 0.55 | 2.48 | |
| 45 | 60 | | Cum | 2 | 15.00 | 0.15 | 0.55 | 2.48 | |
| 60 | 68.7 | | Cum | 2 | 8.70 | 0.15 | 0.55 | 1.44 | |
| | | **School LHS** | | | | | | | |
| 0 | 15 | | Cum | 2 | 15.00 | 0.15 | 0.55 | 2.48 | |
| 15 | 30 | | Cum | 2 | 15.00 | 0.15 | 0.55 | 2.48 | |
| 30 | 37.7 | | Cum | 2 | 7.70 | 0.15 | 0.55 | 1.27 | |
| | | **Sadiq house** | | | | | | | |
| 0 | 14.3 | | Cum | 2 | 14.30 | 0.15 | 0.50 | 2.15 | |
| 14.3 | 50 | | Cum | 2 | 35.70 | 0.15 | 0.50 | 5.36 | |
| 50 | 83 | | Cum | 2 | 33.00 | 0.15 | 0.40 | 3.96 | |
| | | **1st Right Cross After Railway Gate** | | | | | | | |
| 0 | 15 | | Cum | 2 | 15.00 | 0.15 | 0.50 | 2.25 | |
| 15 | 30 | | Cum | 2 | 15.00 | 0.15 | 0.50 | 2.25 | |
| 30 | 45 | | Cum | 2 | 15.00 | 0.15 | 0.50 | 2.25 | |
| 45 | 60 | | Cum | 2 | 15.00 | 0.15 | 0.50 | 2.25 | |
| 60 | 75 | | Cum | 2 | 15.00 | 0.15 | 0.50 | 2.25 | |
| 75 | 90 | | Cum | 2 | 15.00 | 0.15 | 0.50 | 2.25 | |
| 90 | 108 | | Cum | 2 | 18.00 | 0.15 | 0.50 | 2.70 | |

Contactor

CIVIL Pro Sig Date PMC BANGALORE

Assistant Engineer

A.E.E

Assistant Executive Engineer

## MEASUREMENT SHEET - 1st and FINAL BILL

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadt (m) | Depth (m) | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|
| | | 4th Main Road | | | | | | | |
| | | LHS | | | | | | | |
| 0 | 9 | | Cum | 2 | 9.00 | 0.15 | 0.55 | 1.49 | |
| 9 | 20.5 | | Cum | 2 | 11.50 | 0.15 | 0.55 | 1.90 | |
| 20.5 | 24 | | Cum | 2 | 3.50 | 0.15 | 0.55 | 0.58 | |
| 24 | 27.1 | | Cum | 2 | 3.10 | 0.15 | 0.55 | 0.51 | |
| 27.1 | 45 | | Cum | 2 | 17.90 | 0.15 | 0.55 | 2.95 | |
| 45 | 63 | | Cum | 2 | 18.00 | 0.15 | 0.55 | 2.97 | |
| 63 | 75 | | Cum | 2 | 12.00 | 0.15 | 0.55 | 1.98 | |
| 75 | 95 | | Cum | 2 | 20.00 | 0.15 | 0.55 | 3.30 | |
| | | RHS | | | | | | | |
| 0 | 9 | | Cum | 2 | 9.00 | 0.15 | 0.55 | 1.49 | |
| 9 | 20.5 | | Cum | 2 | 11.50 | 0.15 | 0.55 | 1.90 | |
| 20.5 | 24 | | Cum | 2 | 3.50 | 0.15 | 0.55 | 0.58 | |
| 24 | 27.1 | | Cum | 2 | 3.10 | 0.15 | 0.55 | 0.51 | |
| 27.1 | 45 | | Cum | 2 | 17.90 | 0.15 | 0.55 | 2.95 | |
| 45 | 63 | | Cum | 2 | 18.00 | 0.15 | 0.55 | 2.97 | |
| | | 2nd Main Puttenhalli | | | | | | | |
| 33 | 39.6 | | Cum | 2 | 6.60 | 0.15 | 0.60 | 1.19 | |
| 39.6 | 44.1 | | Cum | 2 | 4.50 | 0.15 | 0.60 | 0.81 | |
| 44.1 | 66.6 | | Cum | 2 | 22.50 | 0.15 | 0.60 | 4.05 | |
| 66.6 | 94.7 | | Cum | 2 | 28.10 | 0.15 | 0.60 | 5.06 | |
| 94.7 | 105 | | Cum | 2 | 10.30 | 0.15 | 0.60 | 1.85 | |
| | | Culvert | | | | | | | |
| | | Arun Patios(LHS) | Cum | 2 | 9.90 | 0.20 | 0.60 | 2.38 | |
| | | | Cum | 2 | 9.80 | 0.20 | 0.60 | 2.35 | |
| | | | | | | | TOTAL | 385.12 | |

Contactor

CIVIL Pro Sig Date BANGALORE

PMC

Assistant Engineer

A.E.E

Assistant Executive Engineer

Assistant Executive Engineer

| Sl NO | Description | Nos | BAR DIA | No. Bars | Total No. bars | Length | Total Length | Weight | Total weight |
|---|---|---|---|---|---|---|---|---|---|
| | | | mm | | | m | m | kg/m | Kg's |
| | Item no.04 | **Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.** | | | | | | | |
| | **Kenchenahalli** | | | | | | | | |
| | 1st cross(RHS frm main rd) | | | | | | | | |
| | Main Bars ( #12@120 c/c) | 1 | 12 | 1259 | 1259 | 2.70 | 3400.20 | 0.887814 | 3018.75 |
| | Distribution(9-#8) | 1 | 8 | 9 | 9 | 151.00 | 1359.00 | 0.394584 | 536.24 |
| | **2nd cross(LHS opp to main rd)** | | | | | | | | |
| | Main Bars ( #12@150 c/c) | 1 | 12 | 1455 | 1455 | 2.60 | 3783.43 | 0.887814 | 3358.99 |
| | Distribution(9-#8) | 1 | 8 | 9 | 9 | 174.50 | 1570.50 | 0.394584 | 619.69 |
| | **Arun Patios(LHS)** | | | | | | | | |
| | **RHS** | | | | | | | | |
| | Main Bars ( #12@140 c/c) | 1 | 12 | 1719 | 1719 | 2.70 | 4640.91 | 0.887814 | 4120.27 |
| | Distribution(9-#8) | 1 | 8 | 9 | 9 | 240.50 | 2164.50 | 0.394584 | 854.08 |
| | **2nd Cross RHS** | | | | | | | | |
| | Main Bars ( #12@140 c/c) | 1 | 12 | 567 | 567 | 2.50 | 1416.79 | 0.887814 | 1257.84 |
| | Distribution(9-#8) | 1 | 8 | 9 | 9 | 79.20 | 712.80 | 0.394584 | 281.26 |
| | **3rd Main RHS SAMUDHAYA BHAVAN** | | | | | | | | |
| | Main Bars ( #12@140 c/c) | 1 | 12 | 492 | 492 | 2.45 | 1204.70 | 0.887814 | 1069.55 |
| | Distribution(9-#8) | 1 | 8 | 9 | 9 | 68.70 | 618.30 | 0.394584 | 243.97 |
| | **School LHS** | | | | | | | | |
| | Main Bars ( #12@140 c/c) | 1 | 12 | 270 | 270 | 2.40 | 648.69 | 0.887814 | 575.91 |
| | Distribution(9-#8) | 1 | 8 | 9 | 9 | 37.70 | 339.30 | 0.394584 | 133.88 |
| | **Sadiq house** | | | | | | | | |
| | Main Bars ( #12@120 c/c) | 1 | 12 | 693 | 693 | 2.30 | 1593.13 | 0.887814 | 1414.41 |
| | Distribution(9-#8) | 1 | 8 | 9 | 9 | 83.00 | 747.00 | 0.394584 | 294.75 |
| | **1st Right Cross After Railway Gate** | | | | | | | | |
| | Main Bars ( #12@120 c/c) | 1 | 12 | 901 | 901 | 2.50 | 2252.50 | 0.887814 | 1999.80 |
| | Distribution(9-#8) | 1 | 8 | 9 | 9 | 108.00 | 972.00 | 0.394584 | 383.54 |
| | **4th Main Road** | | | | | | | | |
| | **LHS** | | | | | | | | |
| | Main Bars ( #12@120 c/c) | 1 | 12 | 793 | 793 | 2.50 | 1981.67 | 0.887814 | 1759.35 |

CIVIL Pro Sig Date PMC BANGALORE

Contractor

Assistant Engineer

A.E.E

Assistant Executive Engineer

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Distribution(9-#8) | 1 | 8 | 9 | 9 | 95.00 | 855.00 | 0.394584 | 337.37 |
| **RHS** | | | | | | | | |
| Main Bars (#12@120 c/c) | 1 | 12 | 526 | 526 | 2.30 | 1209.80 | 0.887814 | 1074.08 |
| Distribution(9-#8) | 1 | 8 | 9 | 9 | 63.00 | 567.00 | 0.394584 | 223.73 |
| **2nd Main Puttenhalli** | | | | | | | | |
| Main Bars (#12@120 c/c) | 1 | 12 | 601 | 601 | 2.40 | 1442.40 | 0.887814 | 1280.58 |
| Distribution(9-#8) | 1 | 8 | 9 | 9 | 72.00 | 648.00 | 0.394584 | 255.69 |
| **Culvert** | | | | | | | | |
| **Arun Patios(LHS)** | | | | | | | | |
| **side wall** | | | | | | | | |
| Main Bars outer face (#16@150 c/c) | 2 | 16 | 67 | 134 | 2.80 | 375.20 | 1.578336 | 592.19 |
| Main Bars inner face (#16@180 c/c) | 2 | 16 | 67 | 134 | 2.40 | 321.60 | 1.578336 | 507.59 |
| **Distribution** | | | | | | | | |
| side walls(9#10) | 4 | 10 | 10 | 40 | 0.80 | 32.00 | 0.616538 | 19.73 |
| **bottom slab(9-#10)** | 2 | 10 | 10 | 20 | 1.20 | 24.00 | 0.616538 | 14.80 |
| **Arun Patios(LHS)** | | | | | | | | |
| **side wall** | | | | | | | | |
| Main Bars outer face (#16@150 c/c) | 2 | 16 | 66 | 133 | 2.80 | 371.47 | 1.578336 | 586.30 |
| Main Bars inner face (#16@150 c/c) | 2 | 16 | 66 | 133 | 2.40 | 318.40 | 1.578336 | 502.54 |
| **Distribution** | | | | | | | | |
| side walls(9#10) | 4 | 10 | 10 | 40 | 0.80 | 32.00 | 0.616538 | 19.73 |
| **bottom slab(9-#10)** | 2 | 10 | 10 | 20 | 1.20 | 24.00 | 0.616538 | 14.80 |
| | | | | | | | **TOTAL QTY IN KG'S** | **27351.41** |
| | | | | | | | **TOTAL QTY IN TONNE** | **27.35** |
| | | | | | | | **Quantity Limited to** | **27.22** |

Contractor

CIVIL Pro Sig Date PMC BANGALORE

Assistant Engineer

A.E.E

Assistant Executive Engineer

## MEASUREMENT SHEET - 1st and FINAL BILL

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadt (m) | Depth (m) | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|
| Item no.05 | | Providing and fixing RCC precast cover slab of 100mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate) | | | | | | | |
| | | 1st cross(RHS frm main rd) | | | | | | | |
| 0 | 13.9 | | Sqm | 1 | 13.90 | 0.90 | | 12.51 | |
| 20.5 | 35 | | Sqm | 1 | 14.50 | 0.90 | | 13.05 | |
| 35 | 50 | | Sqm | 1 | 15.00 | 0.90 | | 13.50 | |
| 50 | 65 | | Sqm | 1 | 15.00 | 0.90 | | 13.50 | |
| 65 | 80 | | Sqm | 1 | 15.00 | 0.90 | | 13.50 | |
| 80 | 95 | | Sqm | 1 | 15.00 | 0.90 | | 13.50 | |
| 95 | 110 | | Sqm | 1 | 15.00 | 0.90 | | 13.50 | |
| 110 | 125 | | Sqm | 1 | 15.00 | 0.90 | | 13.50 | |
| 125 | 140 | | Sqm | 1 | 15.00 | 0.90 | | 13.50 | |
| 140 | 157.6 | | Sqm | 1 | 17.60 | 0.90 | | 15.84 | |
| | | 2nd cross(LHS opp to main rd) | | | | | | | |
| 0 | 15 | | Sqm | 1 | 15.00 | 0.90 | | 13.50 | |
| 15 | 30 | | Sqm | 1 | 15.00 | 0.90 | | 13.50 | |
| 30 | 36.4 | | Sqm | 1 | 6.40 | 0.90 | | 5.76 | |
| 36.4 | 43.6 | | Sqm | 1 | 7.20 | 0.90 | | 6.48 | |
| 43.6 | 60 | | Sqm | 1 | 16.40 | 0.90 | | 14.76 | |
| 60 | 75 | | Sqm | 1 | 15.00 | 0.90 | | 13.50 | |
| 75 | 90 | | Sqm | 1 | 15.00 | 0.90 | | 13.50 | |
| 90 | 105 | | Sqm | 1 | 15.00 | 0.90 | | 13.50 | |
| 105 | 121 | | Sqm | 1 | 16.00 | 0.90 | | 14.40 | |
| 121 | 131 | | Sqm | 1 | 10.00 | 0.90 | | 9.00 | |
| 131 | 145 | | Sqm | 1 | 14.00 | 0.90 | | 12.60 | |
| 145 | 160 | | Sqm | 1 | 15.00 | 0.90 | | 13.50 | |
| 160 | 174.5 | | Sqm | 1 | 14.50 | 0.90 | | 13.05 | |
| | | Arun Patios(LHS) | | | | | | | |
| 0 | 15 | | Sqm | 1 | 15.00 | 0.90 | | 13.50 | |
| 15 | 30 | | Sqm | 1 | 15.00 | 0.90 | | 13.50 | |
| 30 | 45 | | Sqm | 1 | 15.00 | 0.90 | | 13.50 | |
| 45 | 60 | | Sqm | 1 | 15.00 | 0.90 | | 13.50 | |
| 60 | 75 | | Sqm | 1 | 15.00 | 0.90 | | 13.50 | |
| 75 | 91.2 | | Sqm | 1 | 16.20 | 0.90 | | 14.58 | |
| 101 | 115 | | Sqm | 1 | 14.00 | 0.90 | | 12.60 | |
| 115 | 130 | | Sqm | 1 | 15.00 | 0.90 | | 13.50 | |
| 130 | 147 | | Sqm | 1 | 17.00 | 0.90 | | 15.30 | |
| 157.2 | 170 | | Sqm | 1 | 12.80 | 0.90 | | 11.52 | |
| 170 | 185 | | Sqm | 1 | 15.00 | 0.90 | | 13.50 | |
| 185 | 200 | | Sqm | 1 | 15.00 | 0.90 | | 13.50 | |
| 200 | 207.9 | | Sqm | 1 | 7.90 | 0.90 | | 7.11 | |

22/01/18

Contactor

CIVIL-P Sign Date BANGALORE RMC

Assistant Engineer

A.E.E

Assistant Executive Engineer

## MEASUREMENT SHEET - 1st and FINAL BILL

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadt (m) | Depth (m) | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|
| 218.4 | 244.7 | | Sqm | 1 | 26.30 | 0.90 | | 23.67 | |
| 252.7 | 279 | | Sqm | 1 | 26.30 | 0.90 | | 23.67 | |
| | | **2nd Cross RHS** | | | | | | | |
| 0 | 15 | | Sqm | 1 | 15.00 | 0.75 | | 11.25 | |
| 15 | 30 | | Sqm | 1 | 15.00 | 0.75 | | 11.25 | |
| 30 | 45 | | Sqm | 1 | 15.00 | 0.75 | | 11.25 | |
| 45 | 60 | | Sqm | 1 | 15.00 | 0.75 | | 11.25 | |
| 60 | 79.2 | | Sqm | 1 | 19.20 | 0.75 | | 14.40 | |
| | | **3rd Main RHS SAMUDHAYA BHAVAN** | | | | | | | |
| 0 | 15 | | Sqm | 1 | 15.00 | 0.75 | | 11.25 | |
| 15 | 30 | | Sqm | 1 | 15.00 | 0.75 | | 11.25 | |
| 30 | 45 | | Sqm | 1 | 15.00 | 0.75 | | 11.25 | |
| 45 | 60 | | Sqm | 1 | 15.00 | 0.75 | | 11.25 | |
| 60 | 68.7 | | Sqm | 1 | 8.70 | 0.75 | | 6.53 | |
| | | **School LHS** | | | | | | | |
| 0 | 15 | | Sqm | 1 | 15.00 | 0.90 | | 13.50 | |
| 15 | 30 | | Sqm | 1 | 15.00 | 0.90 | | 13.50 | |
| 30 | 37.7 | | Sqm | 1 | 7.70 | 0.90 | | 6.93 | |
| | | **Sadiq house** | | | | | | | |
| 0 | 14.3 | | Sqm | 1 | 14.30 | 0.75 | | 10.73 | |
| 14.3 | 50 | | Sqm | 1 | 35.70 | 0.75 | | 26.78 | |
| 50 | 83 | | Sqm | 1 | 33.00 | 0.75 | | 24.75 | |
| | | **1st Right Cross After Railway Gate** | | | | | | | |
| 0 | 15 | | Sqm | 1 | 15.00 | 0.75 | | 11.25 | |
| 15 | 30 | | Sqm | 1 | 15.00 | 0.75 | | 11.25 | |
| 30 | 45 | | Sqm | 1 | 15.00 | 0.75 | | 11.25 | |
| 45 | 60 | | Sqm | 1 | 15.00 | 0.75 | | 11.25 | |
| 60 | 75 | | Sqm | 1 | 15.00 | 0.75 | | 11.25 | |
| 75 | 90 | | Sqm | 1 | 15.00 | 0.75 | | 11.25 | |
| 90 | 108 | | Sqm | 1 | 18.00 | 0.75 | | 13.50 | |
| | | **4th Main Road** | | | | | | | |
| | | **LHS** | | | | | | | |
| 0 | 9 | | Sqm | 1 | 9.00 | 0.75 | | 6.75 | |
| 9 | 20.5 | | Sqm | 1 | 11.50 | 0.75 | | 8.63 | |
| 20.5 | 24 | | Sqm | 1 | 3.50 | 0.75 | | 2.63 | |
| 24 | 27.1 | | Sqm | 1 | 3.10 | 0.75 | | 2.33 | |
| 27.1 | 45 | | Sqm | 1 | 17.90 | 0.75 | | 13.43 | |
| 45 | 63 | | Sqm | 1 | 18.00 | 0.75 | | 13.50 | |
| 63 | 75 | | Sqm | 1 | 12.00 | 0.75 | | 9.00 | |
| 75 | 95 | | Sqm | 1 | 20.00 | 0.75 | | 15.00 | |
| | | **RHS** | | | | | | | |
| 0 | 9 | | Sqm | 1 | 9.00 | 0.75 | | 6.75 | |
| 9 | 20.5 | | Sqm | 1 | 11.50 | 0.75 | | 8.63 | |

22/01/2020

Contactor

PMC

Assistant Engineer

A.E.E

Assistant Executive Engineer

**MEASUREMENT SHEET - 1st and FINAL BILL**

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadt (m) | Depth (m) | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|
| 20.5 | 24 | | Sqm | 1 | 3.50 | 0.75 | | 2.63 | |
| 24 | 27.1 | | Sqm | 1 | 3.10 | 0.75 | | 2.33 | |
| 27.1 | 45 | | Sqm | 1 | 17.90 | 0.75 | | 13.43 | |
| 45 | 63 | | Sqm | 1 | 18.00 | 0.75 | | 13.50 | |
| | | 2nd Main Puttenhalli | | | | | | | |
| 33 | 39.6 | | Sqm | 1 | 6.60 | 0.90 | | 5.94 | |
| 39.6 | 44.1 | | Sqm | 1 | 4.50 | 0.90 | | 4.05 | |
| 44.1 | 66.6 | | Sqm | 1 | 22.50 | 0.90 | | 20.25 | |
| 66.6 | 94.7 | | Sqm | 1 | 28.10 | 0.90 | | 25.29 | |
| 94.7 | 105 | | Sqm | 1 | 10.30 | 0.90 | | 9.27 | |
| | | | | | | | **TOTAL** | **980.81** | |
| | | | | | | | **Quantity Limited To** | **924.00** | |

CIVIL Pro Sig Date BANGALORE

Contactor PMC Assistant Engineer A.E.E Assistant Executive Engineer

**MEASUREMENT SHEET - 1st and FINAL BILL**

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadt (m) | Depth (m) | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|
| Item no.06 | | Providing and fixing RCC precast cover slab of 250mm thick made out of CC 1:2:4 and jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate) | | | | | | | |
| | | Culvert | | | | | | | |
| | | Arun Patios(LHS) | Sqm | 1 | 9.90 | 1.20 | | 11.88 | |
| | | | Sqm | 1 | 9.80 | 1.20 | | 11.76 | |
| | | | | | | | TOTAL | 23.64 | |
| | | | | | | | Quantity Limited To | 21.60 | |

Contactor

CIVIL Pro Sig Date PMC BANGALORE

Assistant Engineer

A.E.E

Assistant Executive Engineer